

Research Activity Panel Meeting Summary

Gregor M. Cailliet, MLML, RAP Chair

SEPTEMBER 1998 MEETING

Host: UC Monterey Bay Education, Science and Technology Center

Friday September 11, 1998 9am-12pm

PRESENTATIONS

Institutional Update: MBEST (Shely Kadota and Graham Bice for Lora Martin)

- Thank Lora and Gordon for use of facility.
- Plan meeting in 18 months in their new building

PEARL: A major platform for environmental research (Robert Burke)

- Rockwell, UCLA, NOAA environmental Tech Lab, Jet Propulsion Lab, U. of Hawaii
- There is variability in current satellite data (+ several degree C). Also there is the problem of point samples of CTD type of technology
- LIDAR: light is scattered by different physical mechanisms, so based on the scatter, you determine what is present. This laser is tunable to look at UV, IR, doppler etc.
- Example Lidar measurements: phytoplankton, oil spills (distinguish between different types of oils), fluorescence.
- PEARL is laser technology: free electron laser with pulse effective to 100 meters
- This project has not been out to sea yet (will take 20 million dollars to set up device then does not replace, but enhances effectiveness of other technologies wants input on what we would like measured, where you need to make measurements, what your grants could afford to pay, what the needs and benefits of doing this are (what key questions you could answer that you cannot answer now).
- Gary will be setting up a meeting to get user groups together to decide what we need to measure, he is working with Sam Farr on this. MBNMS is clearly a potential user group (see above bullet). Gary is looking for sponsor to pay for this meeting
- Put Gary on agenda in future for updates.
- Request copies of papers on PEARL- Robert said he has some to give out
- There were questions re: cost, who may fund this, impacts on biological resources by laser, is there software to deal with the huge streams of data coming out from this.

DISCUSSION

Cooperative beach tank facility at NPS (Leslie Rosenfeld)

- formal discussion at October RAP meeting, put it on the agenda
- people can review the proposal at
<http://www.stl.nps.navy.mil/~brutzman/SeawaterLabProposal.pdf>
if a problem with this address, see e-mail from Jeff

National Marine Sanctuary monitoring survey (Andrew DeVogelaere)

- asked for comments on our draft monitoring sheet, they will e-mail to me

- put draft on web site, put on as pdf file, send out e-mail with web address that people could review.

SHORT INFORMATION ITEMS

RAP Sub-Committee letter regarding the disturbance by divers report; status of the underwater park (Greg Cailliet)

Update on Sustainable Seas Expeditions (A. De Vogelaere)

13 proposals were submitted to MBNMS; 61 submitted Nationally; MBNMS will be allowed to train 6-8 pilots, 30 - 40 folks want to be pilots for MBNMS expedition; so, we have lots of good projects to choose from. Final decision will be made around October 5.

Sanctuary Currents: planning '98 (Bruce Richmond)

Bruce is trying to contact Nick Papadakis

Legislation update (Caroline Pomeroy)

- 2404- targets marine protected areas system (renamed marine managed areas), moving along (deleted science advisory panel)
- 1241- near short rockfish increasing interest has received attention, this bill has been moving forward.

Live Rock Fish Fishery (G. Cailliet)

- Greg reviewed the letter to the RAP
- Greg suggest MBNMS fund for help to gather information, Greg will pursue this idea and call together the subcommittee.

At least 3 big companies who want to lay cable asking for MBARI data on floor of Monterey Bay. These companies should be contacting MBNMS for permits. Eventually, MBARI will be providing data. Contact Dave for company names.

Marine Scientists Electronic Database (A. King/A. De Vogelaere)

If you have not done so already, please encourage scientists at your institution to sign up on the UNESCO global directory.

CIRPAS (Leslie Rosenfeld)

For more information on CIRPAS, following the tour (see below), visit their web site at <http://web.nps.navy.mil/~cirpas/>

Beach COMBERS (Andrew DeVogelaere)

More volunteers graduated from their training session at the end of October. With this group, we are expanding our surveys of beach cast organisms north to Wadell Creek Beach and south to the Pt. Sur. We will also increase the sampling frequency to twice per month at some beaches.

Marine zones (Andrew DeVogelaere)

Jennifer Brown, a graduate student from UCSC, is compiling existing information on marine zones relative to the MBNMS.

11:30- Tour of CIRPAS (Center for Interdisciplinary Remotely-Piloted Aircraft Studies)

We will have the CIRPAS tour at 11:30 for MBEST meeting